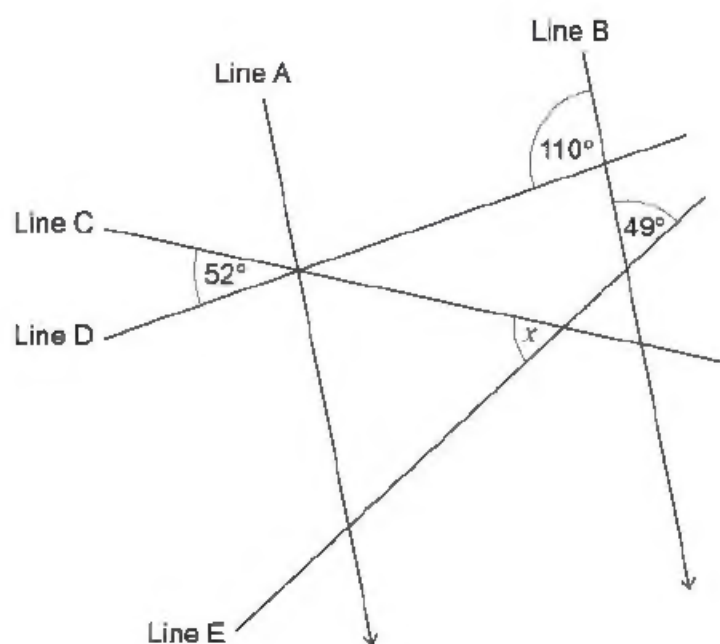


6

Lines A, B, C, D and E intersect as shown.
Lines A and B are parallel.



Not drawn
accurately

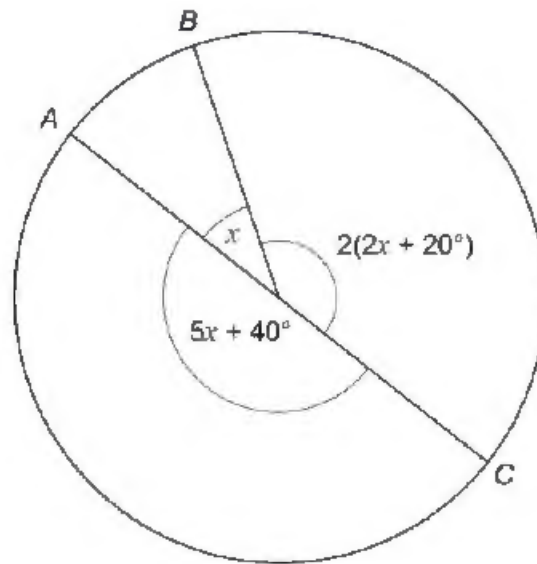
Work out the size of angle x .

[3 marks]

12

A , B and C are three points on a circle.
The radii from A , B and C are shown.

Not drawn
accurately



Is AC a diameter of the circle?
You **must** show your working.

[3 marks]

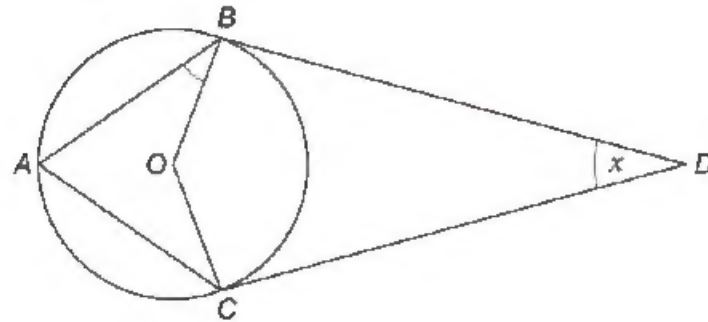
29

A , B and C are three points on the circumference of a circle, centre O .

BD and CD are tangents to the circle.

$ABDC$ is a kite.

Angle BDC is x



Not drawn
accurately

Prove that angle ABO is $45^\circ - \frac{x}{4}$

[4 marks]